



**Proposal for Evaluation of Artificial Recharge Potential
and Automated Monitoring of Groundwater Levels in
California Statewide Groundwater Elevation Monitoring
Wells**

Merced Groundwater Basin
Merced, California

Submitted to:

**California Department of Water Resources
Sacramento, California**

Submitted by:

**AMEC Environment & Infrastructure, Inc.
Fresno, California**

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Proposal 2012-013

8.0 Attachment 8 Quality Assurance

Quality assurance/quality control measures will be implemented through several existing procedures that have been successfully utilized on previous grants and other projects. These include:

- All soil borings (CPT and hollow-stem auger) will be conducted under the direction of a California Registered Geologist or Certified Hydrogeologist utilizing existing protocols for the lithologic description of soil cutting using the Unified Soil Classification System.
- Water quality samples will be collected under existing chain-of-custody procedures using existing protocols for sample purging, collection, and preservation.
- Water quality samples will be delivered to a State-certified laboratory under chain-of-custody procedures for analysis using standard methods and Environmental Protection Agency approved testing methods.
- Pilot basin excavation will be designed and overseen by a Registered Civil Engineer to assure the stability of the excavation and the safety of the construction personnel. Installation of plumbing, piping, and controls will also be designed and overseen by a Civil Engineer to assure that the system operates as designed.